

Title (en)
SECURING OF A SEALING BELLOWS TO THE SOCKET OF A BALL-AND-SOCKET JOINT

Publication
EP 0142686 B1 19861120 (DE)

Application
EP 84111875 A 19841004

Priority
DE 3341993 A 19831122

Abstract (en)
[origin: US4549830A] The subject of the invention is the fastening of a sealing bellows to the joint housing of a ball joint, in which the housing-side rim of the sealing bellows is laid firmly into a ring groove circumscribing the joint housing, designed substantially U-shaped in cross section, the bellows rim having a profiling adapted to the U-shape of the ring above and being pressed into the ring groove by a clamp ring. To increase the sealing effect, it is proposed that the profiled zone of the bellows rim lying opposite the bottom of the ring groove forms, when drawn on by the tension ring, a fold lifting off from the bottom of the groove, arched upward, which stretches under the pressure of the clamp ring to force the bellows rim against the side walls of the groove.

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IPC 8 full level
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CPC (source: EP US)
F16C 11/0671 (2013.01 - EP US); **Y10T 403/32729** (2015.01 - EP US)

Cited by
GB2231914A; EP2796735A4; EP1010903A1; DE4112791C1; US6287040B1

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DOCDB simple family (publication)
EP 0142686 A1 19850529; EP 0142686 B1 19861120; AT E23730 T1 19861215; AU 3573184 A 19850530; AU 568165 B2 19871217; BR 8405920 A 19850917; DE 3341993 C1 19850605; DE 3461388 D1 19870108; JP H0227549 B2 19900618; JP S60125468 A 19850704; MX 162074 A 19910325; US 4549830 A 19851029; ZA 849122 B 19850731

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